

SSDNow S50

FEATURES/BENEFITS

- > **Multiple capacities** — available in multiple capacities to suit your design needs
- > **Case options** — available in case or caseless form factor
- > **Faster** — boots system and applications faster than a hard drive
- > **Silent** — runs silent and cool
- > **Reliable** — with no moving parts, solid-state drives are less likely to fail than standard hard drives

SPECIFICATIONS

- > **Form factor** 2.5" or half-slim caseless
- > **Interface** SATA Rev. 2.0 (3Gb/s), SATA Rev. 1.0 (1.5Gb/s)
- > **Capacities**¹ 16GB & 32GB
- > **Sequential Reads**² 16GB – 90MB/s
32GB – 130MB/s
- > **Sequential Writes** 16GB – 35MB/s
32GB – 60MB/s
- > **Random 4k Read**³ 16GB – 3000 IOPS
32GB – 3000 IOPS
- > **Warranty/support** three-year warranty with free 24/7 support
- > **Power Consumption** 0.491 W (TYP) Idle / 1.87 W (TYP) Write
- > **Dimensions** 2.5" Case: 69.85 x 100 x 9.5mm
Half-slim caseless: 54 x 39mm
- > **Weight** 2.5" Case: 87.48 g
Half-slim caseless: 9.04 g
- > **Storage temperatures** -40 ~ 85°C
- > **Operating temperatures** 0 ~ 70°C
- > **Vibration operating** 2.17G
- > **Vibration non-operating** 20G
- > **MTBF** 1,000,000 Hrs



KINGSTON PART NUMBERS

SS050S2/16G (2.5" Case)

SS050S2/32G (2.5" Case)

KW-S1616-3V (Half-slim caseless)

KW-S1632-3V (Half-slim caseless)

Caseless product available as special order only.

This SSD is designed for use in desktop and notebook computer workloads, and is not intended for Server environments.

¹ Please note: Some of the listed capacity on a Flash storage device is used for formatting and other functions and thus is not available for data storage. As such, the actual available capacity for data storage is less than what is listed on the products. For more information, go to Kingston's Flash memory Guide at kingston.com/flash_memory_guide.

² Based on "out-of-box performance" with ATTO Disk Benchmark 2.41. Speed may vary due to host hardware, software, and usage.

³ Based on "out-of-box performance" with IOMeter.

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